

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Previously Presented) A mass spectrometry ionization method comprising:
delivering electrospray droplets from an electrospray nozzle of an electrospray ionization mass spectrometer, wherein the electrospray droplets contain solvent and analytes; and
exposing the electrospray droplets to a proton beam thereby increasing the unbalanced charge of the electrospray droplets, wherein the proton beam energy is from 5 to 10 eV.
2. - 8. (Cancelled)
9. (Presently Amended) The method of claim 1, wherein the ~~sample is~~ **droplets are** injected into ~~quadrupoles~~ **quadrupoles** of the electrospray ionization mass spectrometer.
10. (Previously Presented) The method of claim 1, wherein the analyte comprises organic compounds having nitrogen, oxygen, or sulfur heteroatoms.
11. (Previously Presented) The method of claim 1 wherein the proton beam flux is from 1 mA/cm² to 17 mA/cm².
12. - 13. (Cancelled)
14. (Previously Presented) The method of claim 1, wherein the electrospray flow rate is from 0.025 μ L/min to 0.5 μ L/min.
15. - 19. (Cancelled)